

**Table S2 Phenotypes of selected *N. crassa* deletion strains.**

Phenotypes of the wild-type strain (wt), and indicated mutant strains were assessed as described in Materials and Methods.

FGSC #	Genotype	Gene Name	Colony Growth and Morphology (Growth Pattern)				Colony Growth and Morphology (Plate Pigmentation)				25°C Growth in Slant Cultures			25°C Growth Rate of Basal Hyphae (mm/hr)	25°C Aerial Hyphae Height (mm/day)		Female Sexual Development		
			VM		VM+YE		VM		VM+YE		Slant Pigmentation	Conidiation	Aerial Hyphae Formation		VM	VM+YE	Properithecium Formation	Perithecium Formation	Ascospore Formation
			25	37	25	37	25	37	25	37									
2489	wild-type		+	+	+	+	+	+	+	+	+	+	2.8	20-25	20-25	+	+	+	
11230	ΔNCU04242	upf1	-	-	-	+	r	r	r	r	r	r	2.2	15-20	15-20	+	+	+	
15706	ΔNCU05267	upf2	-	-	-	-	r	r	r	r	r	short	2	5-10	10-15	r	-	-	
11679	ΔNCU03435	upf3	+	+	+	+	+	+	+	+	+	r	2.9	20-25	15-20	+	+	+	
13031	ΔNCU04405	mag o	-	+	-	+	r	r	r	r	r	+	1.7	15-20	15-20	-	-	-	
15492	ΔNCU03226	y14	-	-	-	-	r	r	r	r	r	+	0.4	0-5	0-5	-	-	-	
19228	ΔNCU06678	xrn1	-	-	-	-	+	r	+	r	+	r	1.6	10-15	10-15	+	+	r	
17986	ΔNCU04270	btz	+	+	+	+	+	+	+	+	+	+	2.9	20-25	20-25	r	+	r	
12342	ΔNCU09901	rnps 1	+	+	+	+	+	+	+	+	+	+	3	20-25	25-30	+	+	+	
18692	ΔNCU00210	cbp20	+	+	+	+	-	-	-	+	+	+	2.2	20-25	20-25	+	+	+	
22440	ΔNCU04187	cbp80	+	+	-	+	+	+	+	+	+	+	2.8	20-25	20-25	+	+	+	
20906	ΔNCU05889	eif3e	-	-	-	-	-	-	-	-	-	r	0.8	5-10	0-5	-	-	-	

"+" : normal  
 "-" : not formed  
 "r" : reduced formation